AMENDMENTS TO THE CLAIMS

Listing Of Claims

- 1. (original) A system for fabricating a semiconductor component on a substrate comprising:
- a plate comprising at least one cavity configured to mold a body segment of the component on the substrate and having at least one corner;

an inlet runner on the plate configured to direct a molding compound into the cavity;

- a corner runner on the plate configured to direct the molding compound through the corner; and
- a vent on the plate in flow communication with the cavity.
- 2. (original) The system of claim 1 wherein the corner includes orthogonal surfaces and the corner runner is configured to direction the molding compound generally parallel to one surface and generally perpendicular to another surface.
- 3. (original) The system of claim 1 wherein the substrate comprises a leadframe and the component comprises a semiconductor package.
- 4. (original) The system of claim 1 further comprising a second plate having a second cavity configured to mold a second body segment on an opposing surface of the substrate, a second inlet runner, a second corner runner and a second vent.
- 5. (original) The system of claim 1 wherein the plate comprises a plurality of cavities having a plurality of

corners configured to mold a plurality of body segments for a plurality of components on the substrate, and a plurality of corner runners configured to direct the molding compound through the corners.

- 6. (original) The system of claim 1 further comprising a transfer molding apparatus configured to press the plate against the substrate and to inject the molding compound into the inlet runner.
- 7. (original) The system of claim 1 further comprising a dummy cavity on the plate configured to mold a dummy segment on the substrate, the dummy cavity in flow communication with the cavity and the air vent.
- 8. (original) A system for fabricating semiconductor components on a substrate comprising:
- a plate comprising a plurality of mold cavities configured to mold body segments for the components on the substrate, the cavities having a plurality of corners;

an inlet runner on the plate configured to direct a molding compound into the cavities;

a corner runner on the plate configured to direct the molding compound through the corners and to prevent air in the molding compound from accumulating in the corners; and

a vent on the plate in flow communication with the cavities.

9. (original) The system of claim 8 further comprising a second plate configured for mating engagement with the plate, the second plate comprising a plurality of second mold cavities configured to mold second body segments on an opposing surface of the substrate and having a plurality of second corners, and a second corner runner configured to direct the molding compound through the second corners.

- 10. (original) The system of claim 8 wherein each corner comprises orthogonal surfaces and the corner runner is configured to direct the molding compound in a direction generally parallel to one of surface and generally perpendicular to another surface.
- 11. (original) The system of claim 8 wherein the components comprise semiconductor packages comprising a plurality of dice and the body segments encapsulate the dice.
- 12. (original) The system of claim 8 wherein the substrate comprises a leadframe and the components comprise semiconductor packages.
- 13. (original) The system of claim 8 further comprising a transfer molding apparatus configured to press the plate against the substrate and to inject the molding compound into the inlet runner.
- 14. (original) The system of claim 8 further comprising a mold compound source in flow communication with the inlet runner.
- 15. (original) The system of claim 8 further comprising a dummy cavity in flow communication with the cavities and the single vent configured to mold a dummy segment on the surface of the substrate.
- 16. (original) A system for fabricating semiconductor components on a substrate comprising:
- a plate comprising a plurality of mold cavities configured to mold body segments for the components on the substrate;

- a first runner on the plate configured to direct a molding compound into the cavities;
- a second runner on the plate configured to direct the molding compound through the cavities and to prevent air in the molding compound from accumulating in the cavities;
- a dummy cavity in flow communication with the first runner and the second runner configured to receive the air; and
- a vent on the plate in flow communication with the dummy cavity.
- 17. (original) The system of claim 16 further comprising a second plate substantially identical to the plate configured to mold second body segments for the components on an opposing surface of the substrate.
- 18. (original) The system of claim 16 further comprising a connecting runner between the cavities and a second dummy cavity in flow communication with the connecting runner configured to mold a second dummy segment on the substrate.
- 19. (original) The system of claim 16 wherein the plurality of mold cavities comprises a pair of cavities.
- 20. (original) A system for fabricating semiconductor components on a substrate comprising:
- a plate comprising a first cavity configured to mold a first component the substrate and a second cavity configured to mold a second component on the substrate;

an inlet runner on the plate configured to direct a molding compound into the first cavity;

a first corner runner on the plate configured to direct the molding compound through a first corner of the first cavity;

- a connecting runner on the plate configured to direct the molding compound from the first cavity to the second cavity;
- a second corner runner on the plate in flow communication with the connecting runner configured to direct the molding compound through a second corner of the second cavity;
- a dummy cavity in flow communication with the second cavity and the second corner runner; and
- a vent on the plate in flow communication with the dummy cavity.
- 21. (original) The system of claim 20 wherein the substrate comprises a leadframe and the components comprise semiconductor packages.
- 22. (original) The system of claim 20 wherein the substrate comprises a leadframe and the components comprise thin small outline packages.
- 23. (original) A system for fabricating semiconductor components on a substrate comprising:
- a plate comprising at least one pair of cavities configured to receive a molding compound and to mold body segments of the components on a surface of the substrate, the cavities having a plurality of corners;
- a plurality of corner runners on the plate configured to direct the molding compound through the corners and to prevent air from accumulating in the corners; and
- a vent on the plate in flow communication with the cavities and the corner runners.
- 24. (original) The system of claim 23 further comprising a dummy cavity on the plate in flow communication with the cavities the corner runners and the vent, configured to mold a dummy segment on the substrate.

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25. (original) The system of claim 23 further comprising a second plate substantially identical to the plate configured to mold the body segments on an opposing surface of the substrate.

Claims 26-50 (canceled)